

ABSTRACT OF THE DISCLOSURE

The method and device of the present invention for wound treatment with ultrasound standing waves includes a transducer probe to produce ultrasonic waves. The ultrasonic transducer has a tip with a distal radiation surface that radiates ultrasound energy toward the surface of a wound. Ultrasound standing waves occurring as a result of incident and reflected waves from the wound surface create ultrasonic radiation pressure. Ultrasound radiation pressure increases the blood flow in wound area, and ultrasound waves kill bacteria, stimulate healthy tissue cell and treat wounds.